

FIG. 1

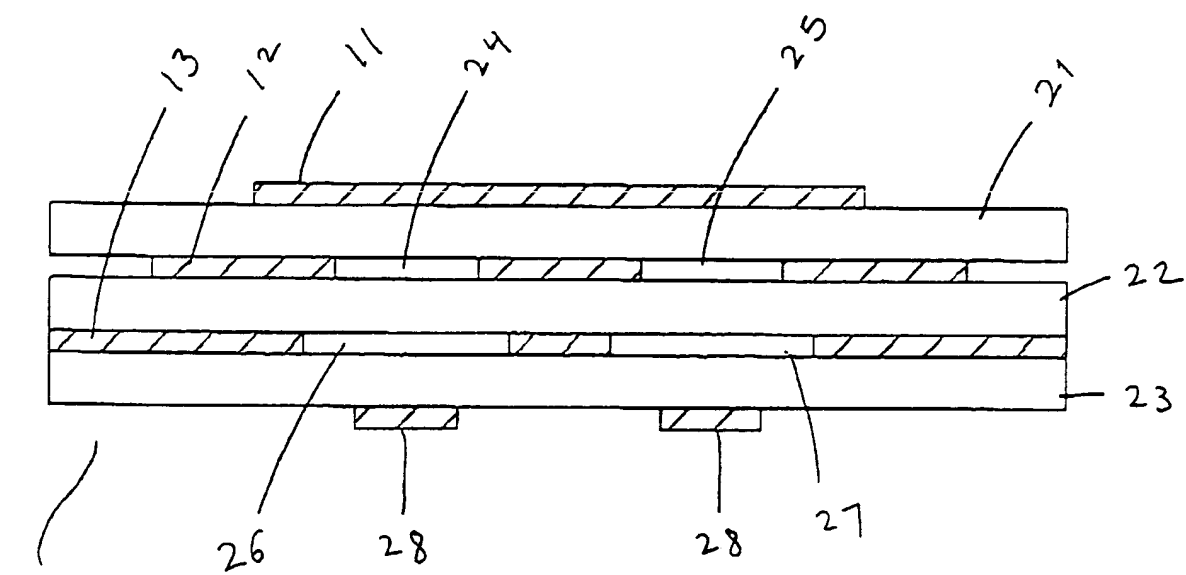


FIG. 2

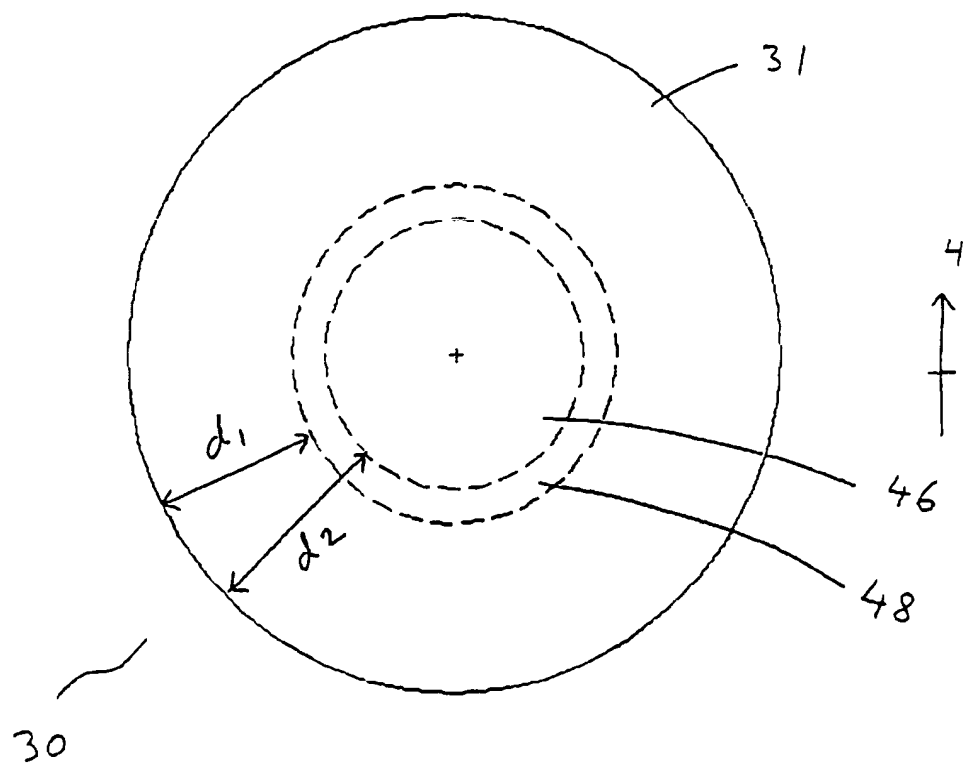


FIG. 3

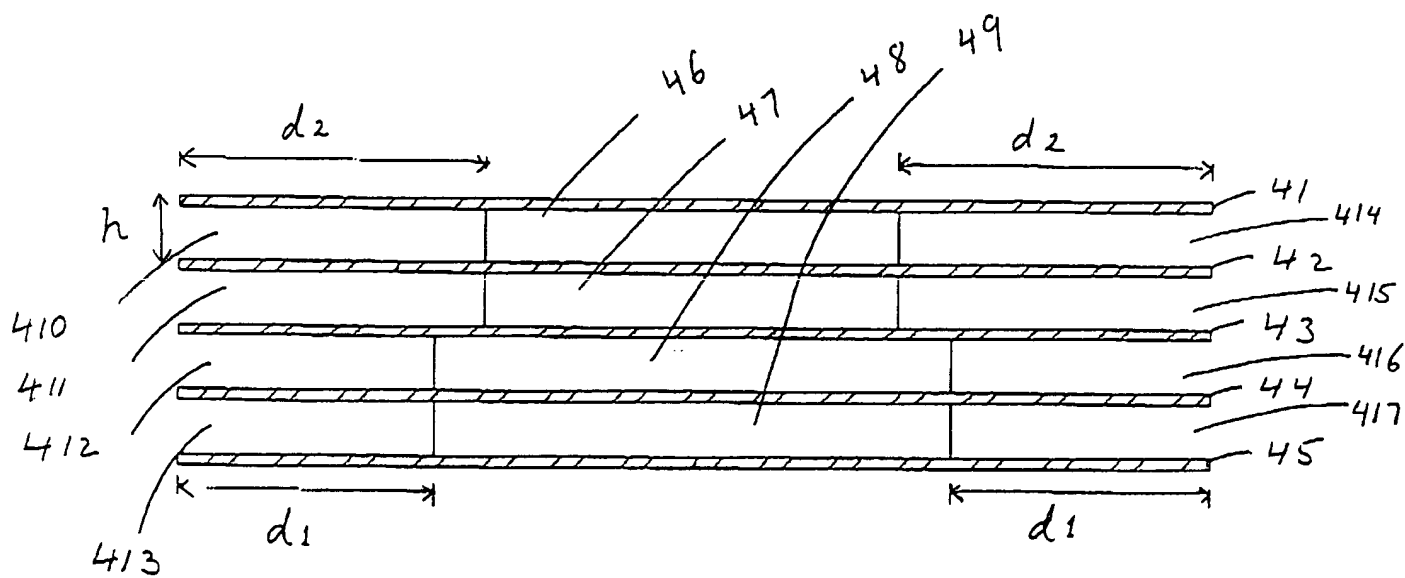


FIG. 4

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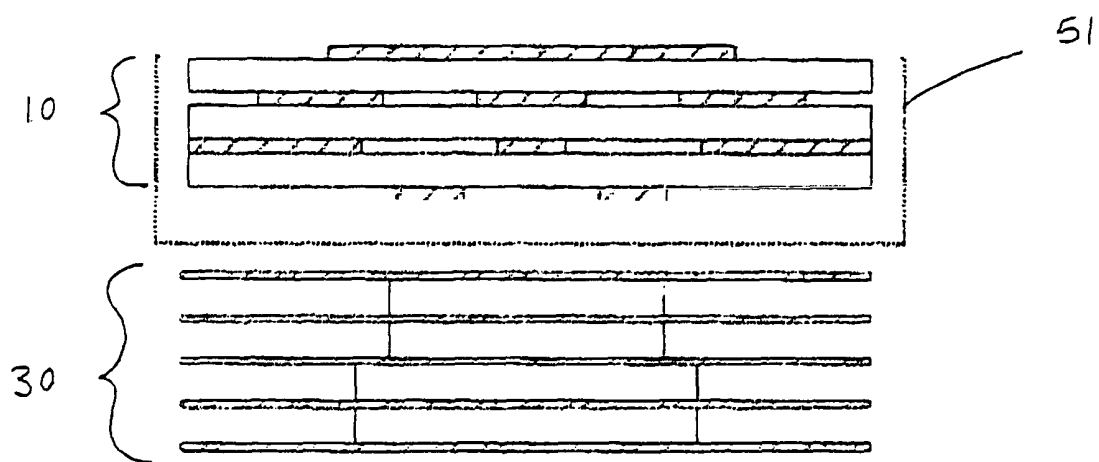


FIG. 5

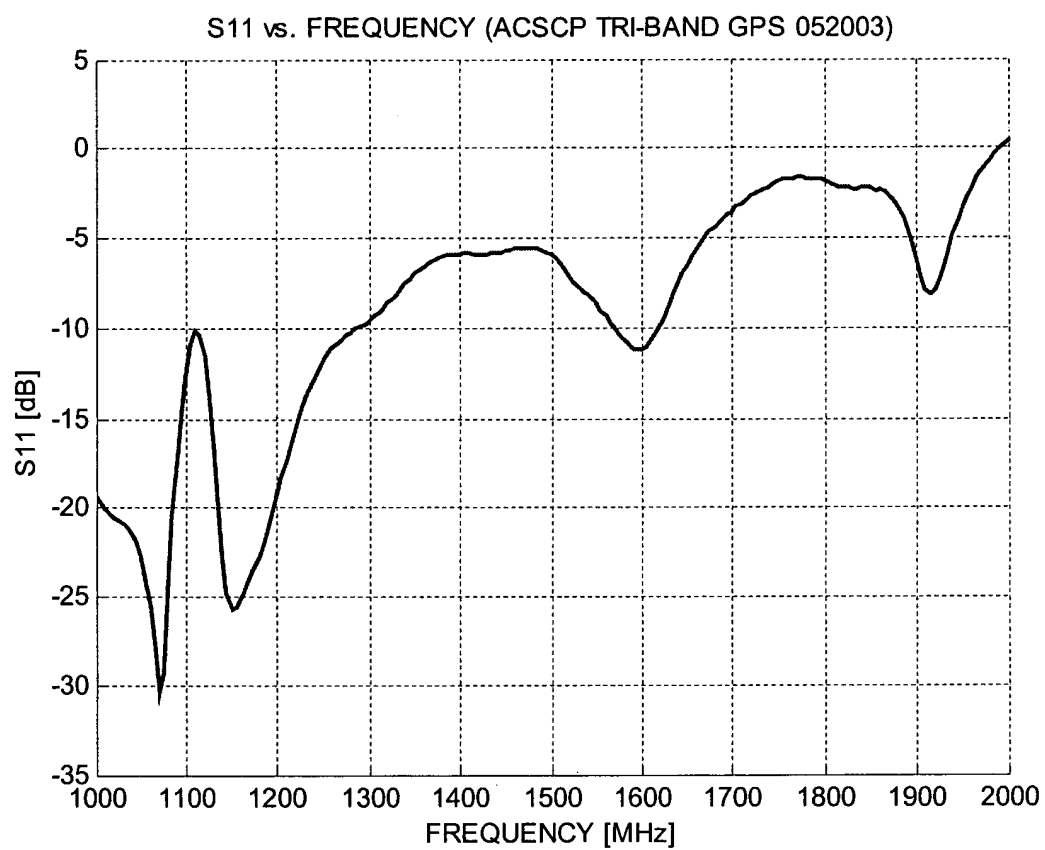


FIG. 6

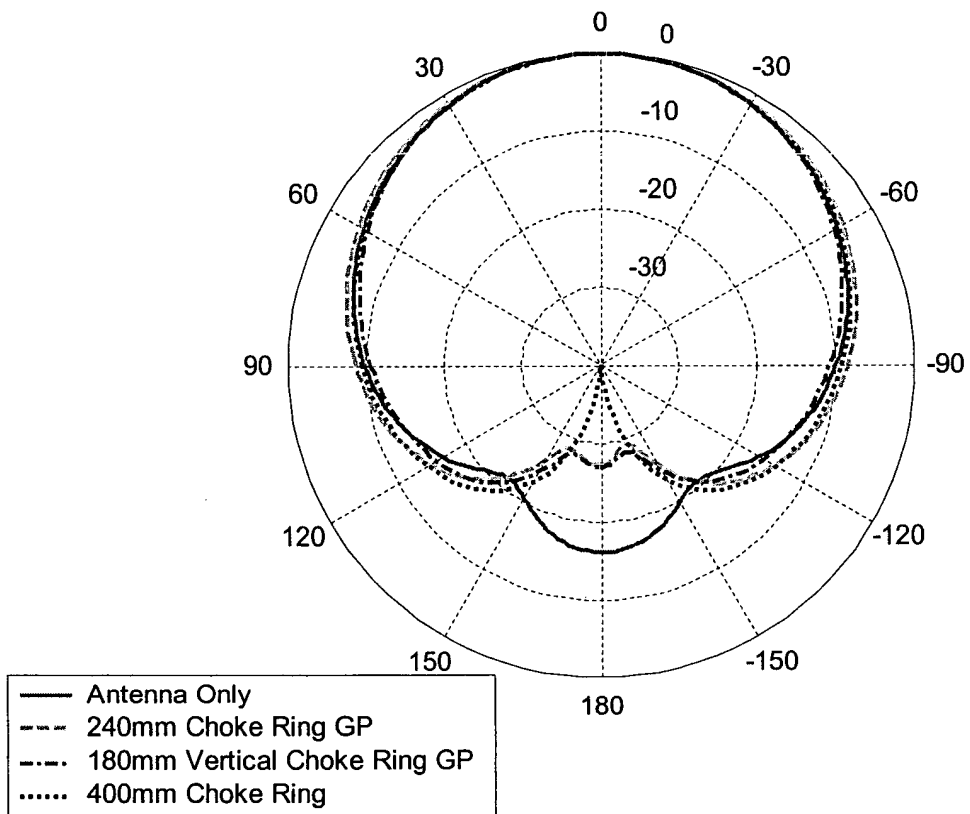


FIG. 7

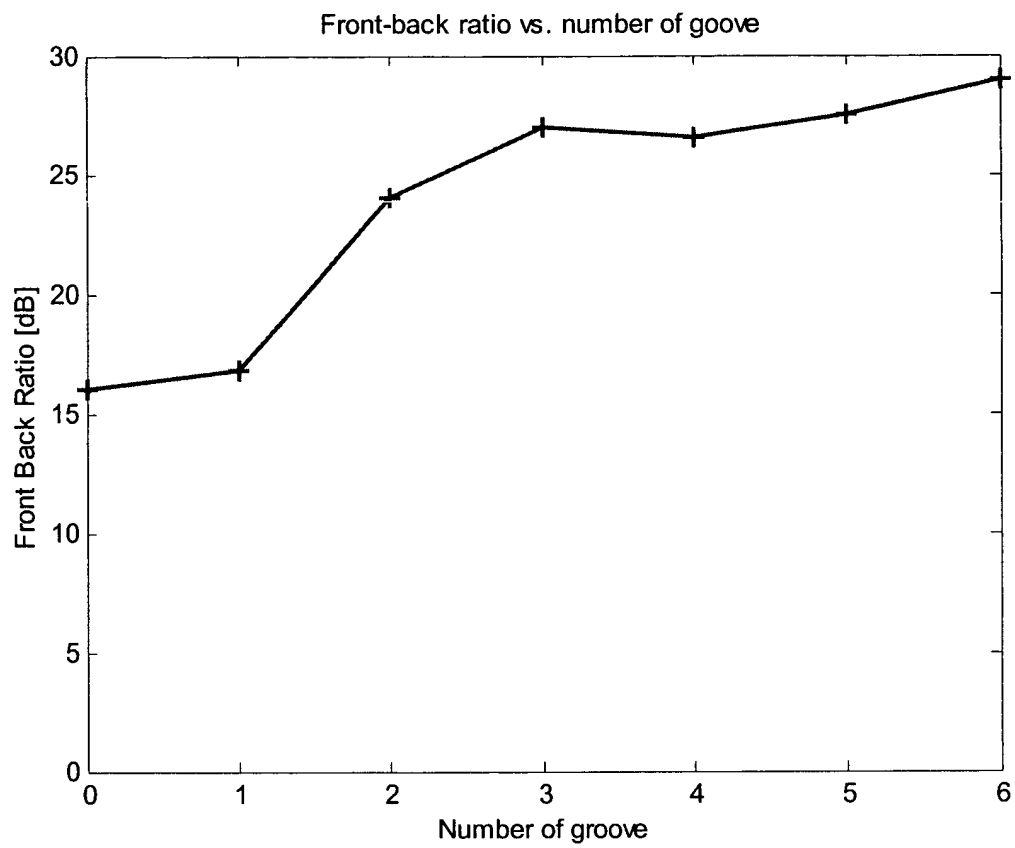


FIG. 8

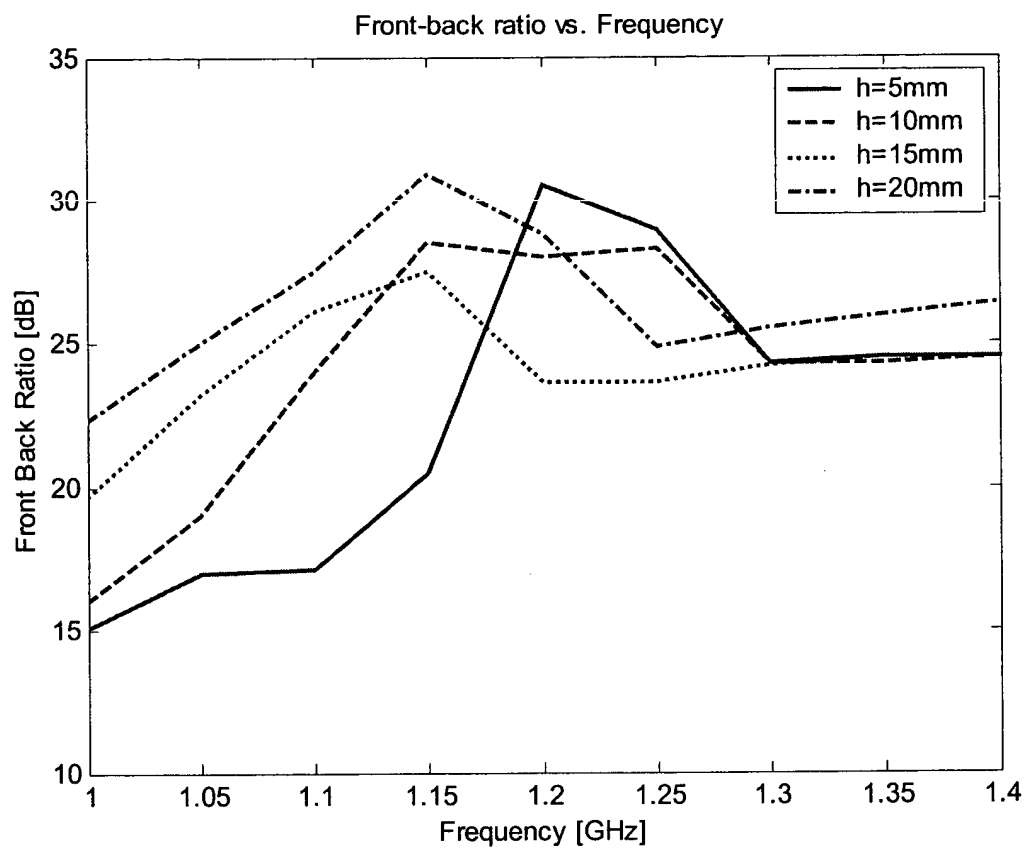


FIG. 9

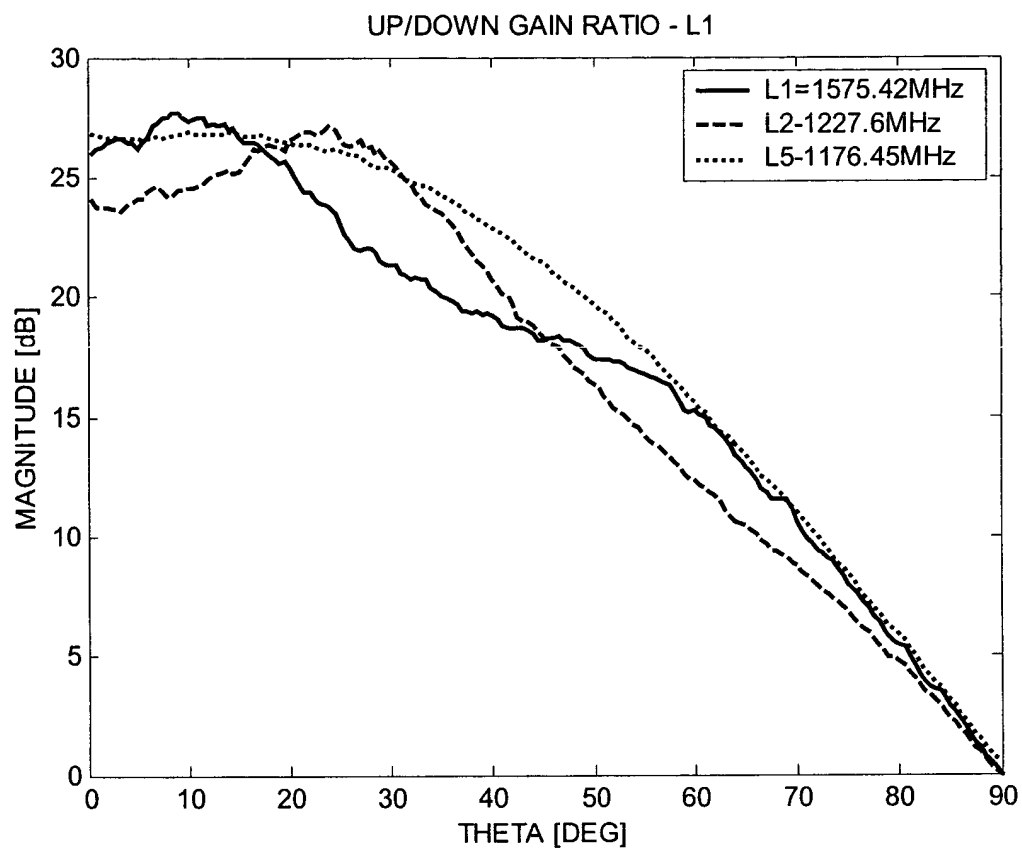


FIG. 10

Radius of the PEC plates (mm)	Depth (mm)	Depth (wavelength @ 1.1GHz)	Front/Back ratio (dB)
Antenna Only			16
90	68.25	0.25	21
90	65	0.24	22
90	60	0.22	20
90	55	0.20	23
90	50	0.18	27.5
90	45	0.165	24

TABLE 1